

No. of Printed Pages : 3

MGY-102

**POST GRADUATE DIPLOMA IN
GEOINFORMATICS/
M. SC. GEOINFORMATICS
(PGDGI/MSCGI)**

Term-End Examination

June, 2025

**MGY-102 : REMOTE SENSING AND IMAGE
INTERPRETATION**

Time : 2 Hours

Maximum Marks : 50

Note : *All questions are compulsory. Marks for
each question are indicated against it.*

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1. Write short notes on any *four* of the following : 4×5=20
- (a) Orbit and its types

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- (b) Spectral resolution
 - (c) RISAT series
 - (d) Landsat
 - (e) Image interpretation keys
 - (f) Image histogram and its significance
2. (a) What is spectral signature ? Describe the spectral signature of soil giving suitable diagrams. 10
- Or*
- (b) Discuss in detail energy-atmosphere interaction.
3. (a) What is ground truth data ? Describe the planning and collection of ground truth data. 10

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Or

(b) Discuss various elements of aerial photo-interpretation.

4. (a) Give a detailed account of digital image interpretation. 10

Or

(b) Define Kappa coefficient. Describe various steps used for its calculation.

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